

Title (en)
Process and device to control the cleaning operation of an air filtering grille

Title (de)
Verfahren und Einrichtung zur Steuerung der Reinigung von einem Lüftungsrost

Title (fr)
Procédé et dispositif de commande de nettoyage d'une grille de filtration d'air

Publication
EP 0931916 B1 20061102 (FR)

Application
EP 99450006 A 19990127

Priority
FR 9801175 A 19980128

Abstract (en)
[origin: EP0931916A1] The air jet register (12) is operated as a function of engine speed, and ventilation system (7) airflow and/or when either falls to or below a predetermined threshold. An Independent claim is included for the apparatus controlling grid cleaning. The ventilation system (7) forces cooling airflow (5) through the filtration grid (2). On at least one side there is a tangential jetting register (12) connected (13) to a compressed air reservoir through a solenoid valve. The grid has a grooved profile formed by the grille. In each trough-like groove (10), a cleaning nozzle is directed. The solenoid valve is connected to an actuating circuit.

IPC 8 full level
F01P 11/12 (2006.01); **B01D 46/00** (2006.01); **B01D 46/10** (2006.01); **B01D 46/46** (2006.01); **B01D 46/52** (2006.01); **B60K 11/08** (2006.01); **F02M 35/08** (2006.01)

CPC (source: EP US)
B01D 46/10 (2013.01 - EP US); **B01D 46/46** (2013.01 - EP US); **B01D 46/69** (2022.01 - EP US); **F01P 11/12** (2013.01 - EP US); **F02M 35/08** (2013.01 - EP US); **B60K 11/08** (2013.01 - EP US)

Cited by
WO2011107502A3

Designated contracting state (EPC)
AT BE DE DK ES FI FR GB IE IT NL PT SE

DOCDB simple family (publication)
EP 0931916 A1 19990728; **EP 0931916 B1 20061102**; AT E344383 T1 20061115; DE 69933803 D1 20061214; DE 69933803 T2 20070830; ES 2277418 T3 20070701; FR 2774005 A1 19990730; FR 2774005 B1 20000414; US 6217638 B1 20010417

DOCDB simple family (application)
EP 99450006 A 19990127; AT 99450006 T 19990127; DE 69933803 T 19990127; ES 99450006 T 19990127; FR 9801175 A 19980128; US 23842899 A 19990128